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Conference Proceedings of 2015 2nd International Conference on Knowledge-Based Engineering and Innovation, KBEI 2015

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2nd International Conference on Knowledge-Based Engineering and Innovation, KBEI 2015; Iran University of Science and Technology Tehran; Iran; 5 November 2015 through 6 November 2015; Category number CFP15ZUW-ART; Code 120032

## A robust image watermarking scheme based on discrete wavelet transforms (Conference Paper)

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### Abstract

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This paper presents a robust image watermarking method based on discrete wavelet transform. In this method, first, the watermark is coded with chaotic map and then embedded in the middle frequency band of the image to minimize the changes. This process improves the image continuity and robustness against different image processing attacks. Experimental results show that, the proposed method not only achieves the main objectives of watermarking successfully, but also has higher robustness against different attacks compared to the earlier works. © 2015 IEEE.

### Author keywords

Chaotic map   Discrete Wavelet Transform   Image processing   watermarking

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